

FIGURE 1

00/8158/11/501904

att ccg gct tct atg gag cac tcg gga cca ggt ccg cgg cgc gcg cac tcg ctc
 gct cgc cgc ccc cca gcc agc tct cgc ttc cgc gcc gcc agc cgc gcc ccg cgc
 ctc ctc gct gca ccc cgc gac cta gag cca aga aag ttt gtg tgg cga gtg agg
 gcc gga gag gag agc gcg ccc gcg gag tgc cgt cca gac cag cgc ggc ccc ggc
 gga gag ggg agc gcc ccg agc cca ggc ggc ggc ggc tag ccc gag tcc gcg acc
 -26 Met Gly Ala Ala Ala Arg Ser Leu Pro Leu Ala Phe
 ccc gcc cct ccg ccc gcc atg ggc gcc gcc gcc cgc agc ctg ccg ctc gcg ttc
 -10 Cys Leu Leu Leu Leu Gly Thr Leu Leu Pro Arg Ala Asp Ala Cys Ser Cys Ser
 tgc ctc ctg ctg ctg ggg acg ctg ctc ccc cgg gcc gac gcc tgc agc tgc tcc
 10 Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp Ile Val Ile Arg Ala Lys
 ccg gtg cac ccg caa cag gcg ttt tgc aat gca gac ata gtg atc agg gcc aaa
 30 Ala Val Asn Lys Lys Glu Val Asp Ser Gly Asn Asp Ile Tyr Gly Asn Pro Ile
 gca gtc aat aag aag gag gtg gac tct ggc aac gac atc tac ggc aac ccc atc
 50 Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met Phe Lys Gly Pro Asp Gln
 aag cgg att cag tat gag atc aag cag ata aag atg ttc aag gga cct gat cag
 60 Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ala Ala Val Cys Gly Val Ser Leu
 gac ata gag ttt atc tac aca gcc ccc gcc gct gcc gtg tgt ggg gtc tcg ctg
 80 Asp Ile Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly Lys Ala Glu Gly Asn Gly
 gac att gga gga aag gag tat ctc att gca ggg aag gcc gag ggg aat ggc
 100 Asn Met His Ile Thr Leu Cys Asp Phe Ile Val Pro Trp Asp Thr Leu Ser Ala
 aat atg cat atc acc ctc tgt gac ttc atc gtg ccc tgg gac acc ctg agt gcc
 120 Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met Gly Cys Glu Cys Lys Ile
 acc cag aag aag agc ctg aac cac agg tac cag atg ggc tgt gag tgc aag atc
 140 Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser Pro Asp Glu Cys Leu Trp
 act cga tgc ccc atg atc cca tgc tac atc tcc tct ccg gac gag tgc ctc tgg
 150 Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His Gln Ala Lys Phe Phe Ala
 atg gac tgg gtc acg gag aag aac atc aac gga cac cag gcc aag ttc ttc gcc
 170 Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr Arg Gly Ala Ala Pro Pro
 tgc atc aag aga agc gac ggc tcc tgc gcc tgg tac cgc gga gca gca ccc ccc
 190 Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro
 aag cag gag ttt ctg gac atc gag gac ccg taa gca ggc cac cag gac tcc tgg
 ggc caa ttg aca gtg tcc aag agt tca gac tgg tcc agc tcc gac atc cct tcc
 tgg aca cag cat gaa taa a

att ccg gcc cgc cgt ccc cca ccc cgc cgc ccc gcc cgg cga att gcg ccc cgc
 gcc cct ccc ctc gcg ccc ccg aga caa aga gga gag aaa gtt tgc gcg gcc gag
 cgg ggc agg tga gga ggg tga gcc gcg cgg gag ggg ccc gcc tcg gcc ccg gct
 cag cec ccg ccc gcg ccc cca gcc cgc cgc cgc gag cag cgc ccg gac ccc cca
 -26
 gcg gcg gcc ccc gcc cgc cca gcc ccc cgg ccc gcc atg Met Gly Ala Ala Ala Arg
 -20 -10
 Thr Leu Arg Leu Ala Leu Gly Leu Leu Leu Leu Ala Thr Leu Leu Arg Pro Ala
 acc ctg cgg ctg gcg ctc ggc ctc ctg ctg ctg gcg acg ctg ctt cgc ccg gcc
 -1
 Asp Ala Cys Ser Cys Ser Pro Val His Pro Gln Gln Ala Phe Cys Asn Ala Asp
 gac gcc tgc agc tgc tcc ccg gtg cac ccg caa cag gcg ttt tgc aat gca gat
 20
 Val Val Ile Arg Ala Lys Ala Val Ser Glu Lys Glu Val Asp Ser Gly Asn Asp
 gta gtg atc agg gcc aaa gcg gtc agt gag aag gaa gtg gac tct gga aac gac
 40
 Ile Tyr Gly Asn Pro Ile Lys Arg Ile Gln Tyr Glu Ile Lys Gln Ile Lys Met
 att tat ggc aac cct atc aag agg atc cag tat gag atc aag cag ata aag atg
 60
 Phe Lys Gly Pro Glu Lys Asp Ile Glu Phe Ile Tyr Thr Ala Pro Ser Ser Ala
 ttc aaa ggg cct gag aag gat ata gag ttt atc tac acg gcc ccc tcc tcg gca
 80
 Val Cys Gly Val Ser Leu Asp Val Gly Gly Lys Lys Glu Tyr Leu Ile Ala Gly
 gtg tgt ggg gtc tgc ctg gac gtt gga gga aag aag gaa tat ctc att gca gga
 90
 Lys Ala Glu Gly Asp Gly Lys Met His Ile Thr Leu Cys Asp Phe Ile Val Pro
 aag gcc gag ggg gac ggc aag atg cac atc acc ctc tgt gac ttc atc gtg ccc
 110
 Trp Asp Thr Leu Ser Thr Thr Gln Lys Lys Ser Leu Asn His Arg Tyr Gln Met
 tgg gac acc ctg agc acc acc cag aag aag agc ctg aac cac agg tac cag atg
 130
 Gly Cys Glu Cys Lys Ile Thr Arg Cys Pro Met Ile Pro Cys Tyr Ile Ser Ser
 ggc tgc gag tgc aag atc acg cgc tgc ccc atg atc ccg tgc tac atc tcc tcc
 150
 Pro Asp Glu Cys Leu Trp Met Asp Trp Val Thr Glu Lys Asn Ile Asn Gly His
 ccg gac gag tgc ctc tgg atg gac tgg gtc aca gag aag aac atc aac ggg cac
 170
 Gln Ala Lys Phe Phe Ala Cys Ile Lys Arg Ser Asp Gly Ser Cys Ala Trp Tyr
 cag gcc aag ttc ttc gcc tgc atc aag aga agt gac ggc tcc tgt gcg tgg tac
 180
 Arg Gly Ala Ala Pro Pro Lys Gln Glu Phe Leu Asp Ile Glu Asp Pro
 cgc ggc gcg gcg ccc ccc aag cag gag ttt ctc gac atc gag gac cca taa gca
 190
 ggc ctc caa cgc ccc tgt ggc caa ctg caa aaa aag cct cca agg gtt tcg act
 ggt cca gct ctg aca tcc ctt cct gga aac agc atg aat aaa aca ctc atc ccc
 gga att c

FIGURE 3

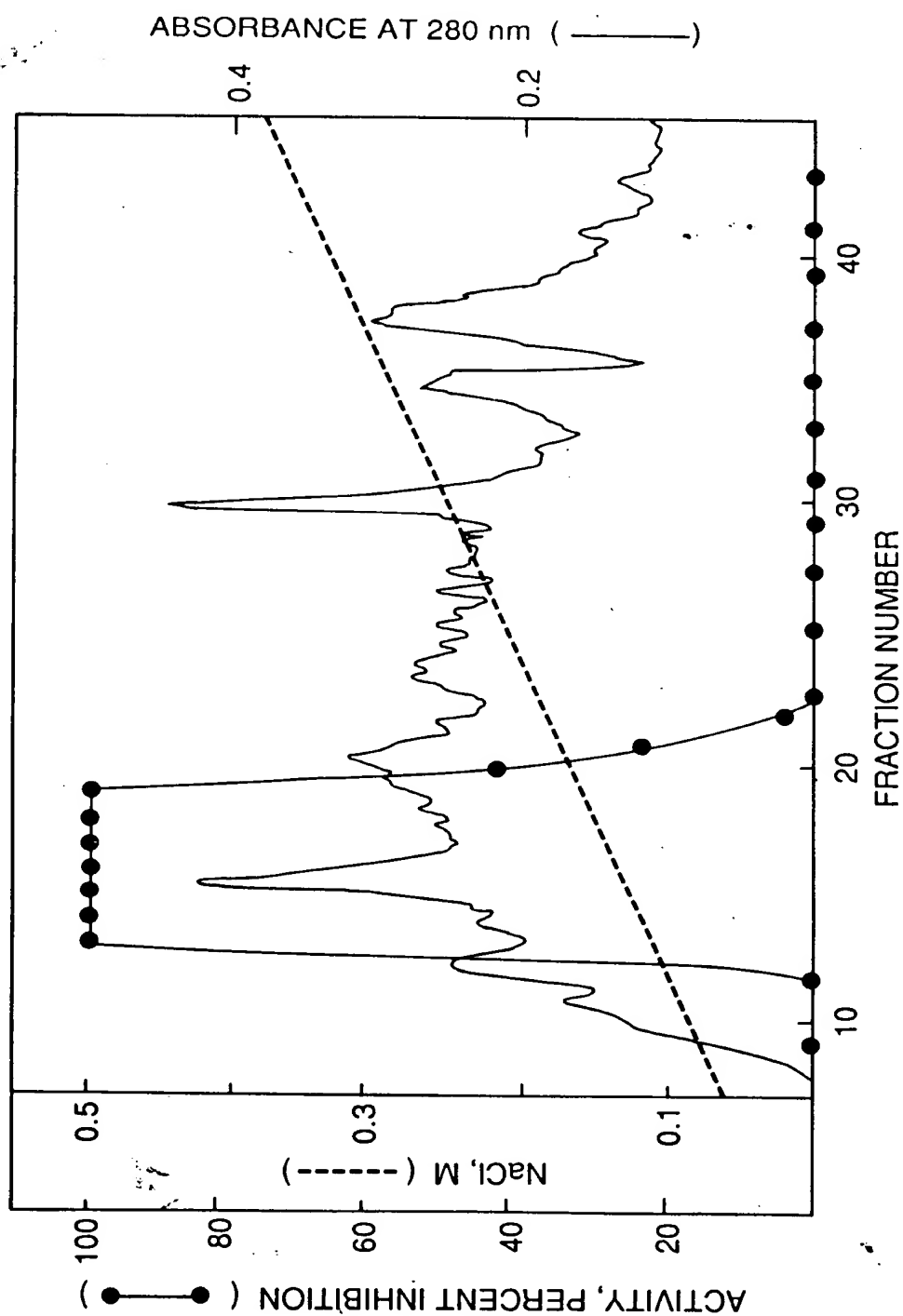


FIGURE 4

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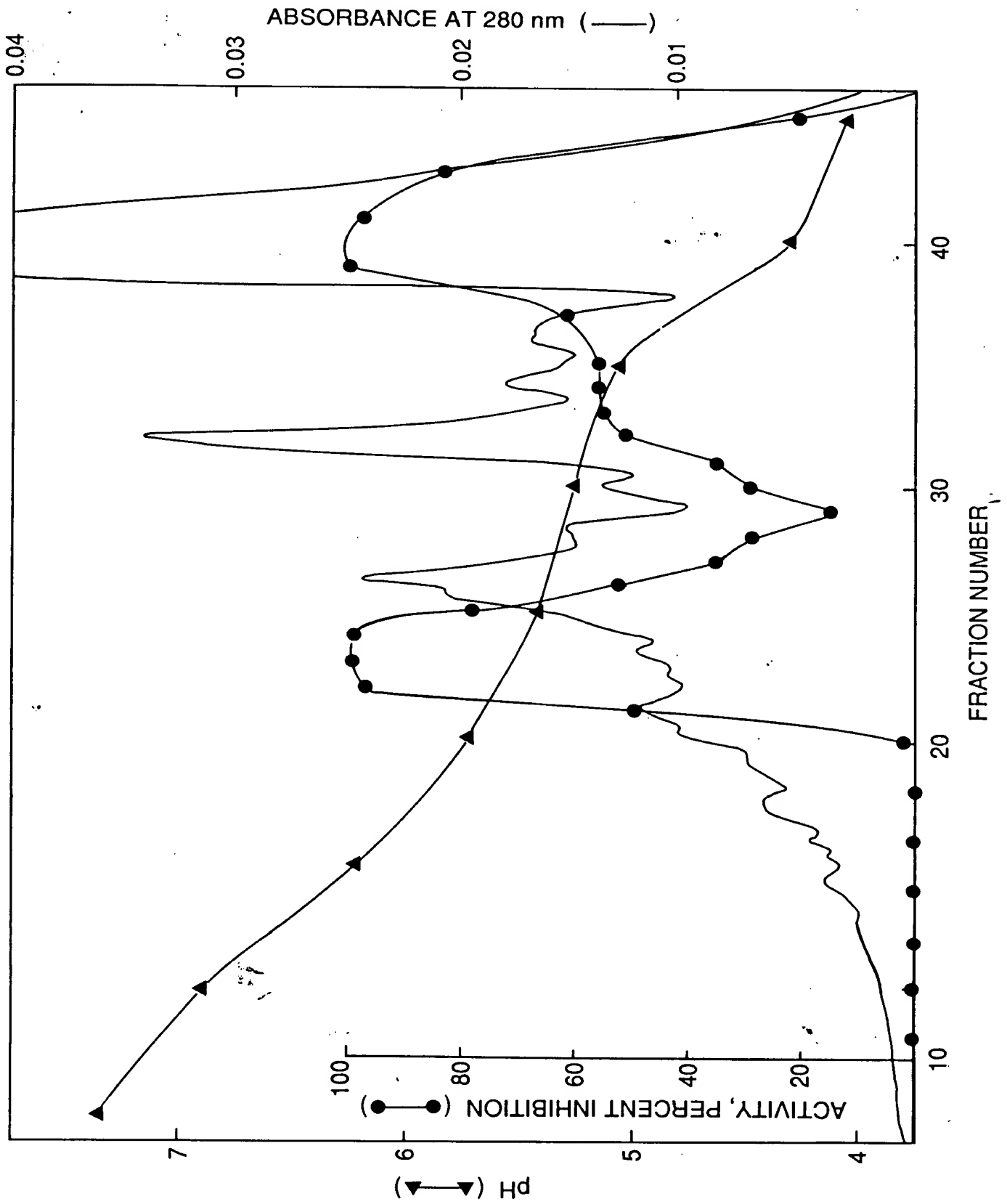


FIGURE 5

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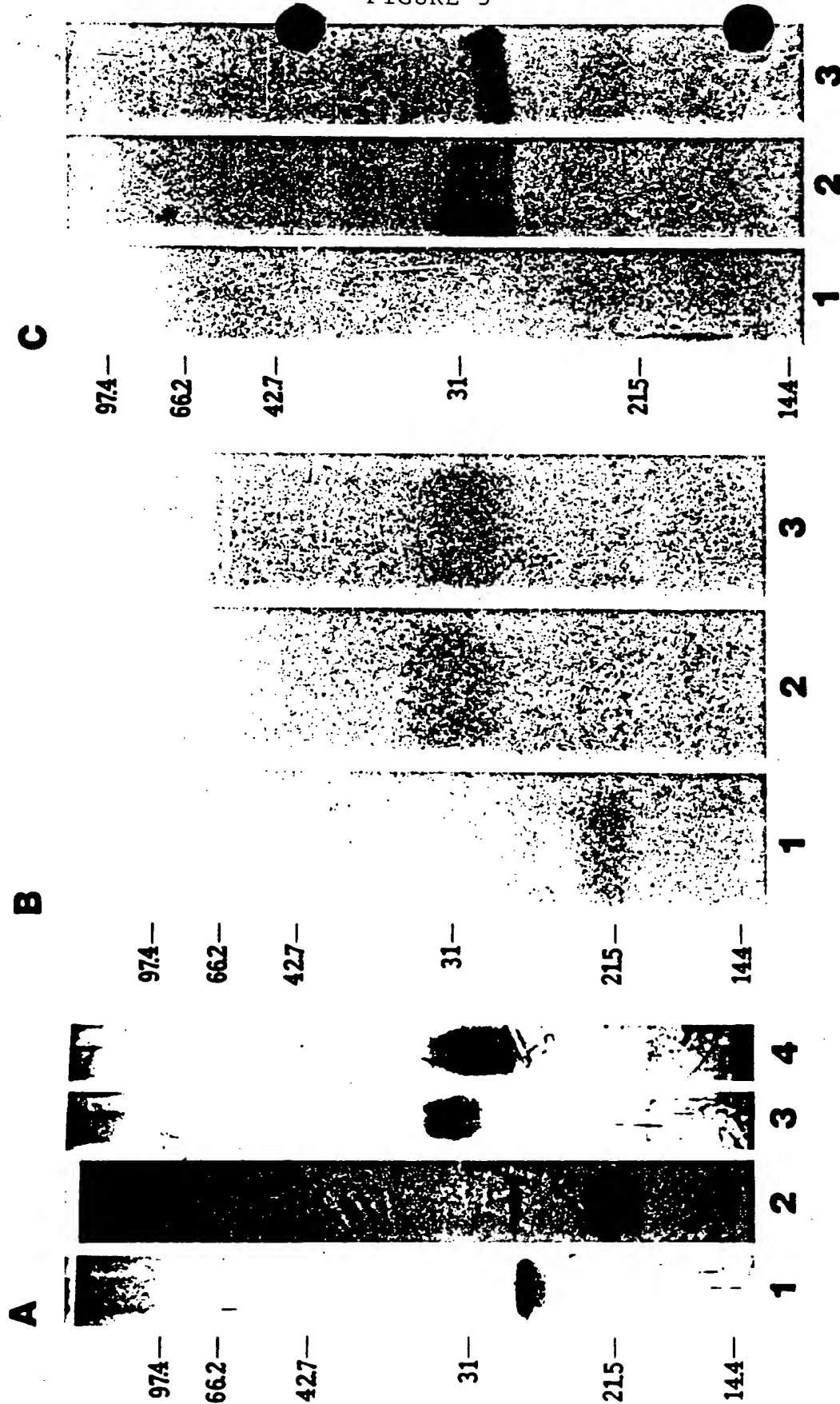


FIGURE 6

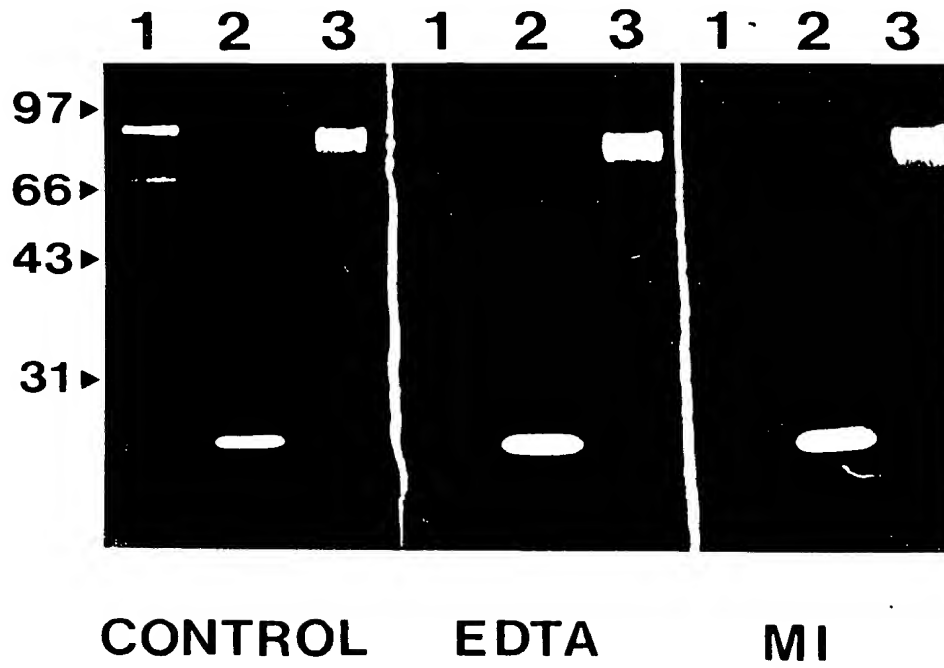
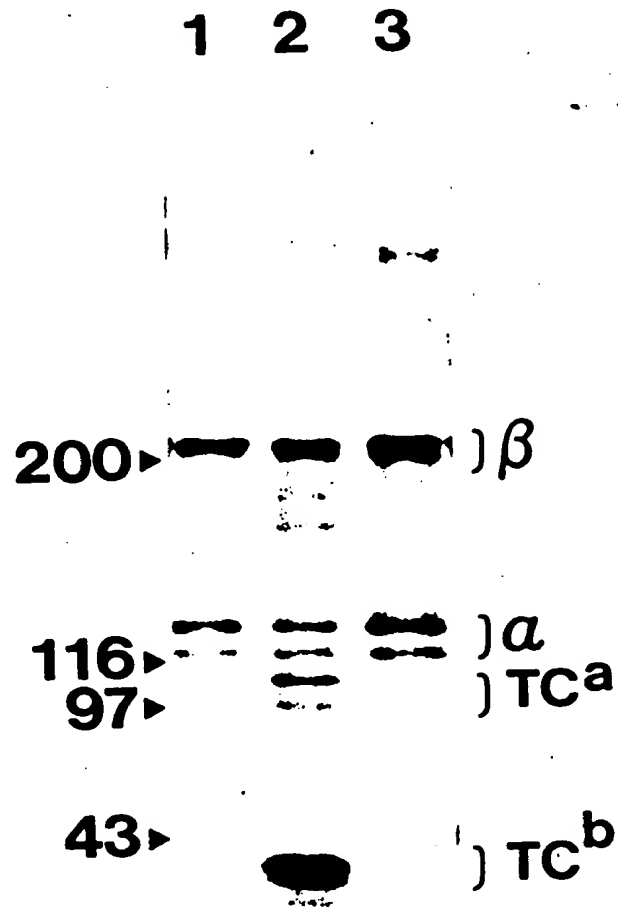


FIGURE 7



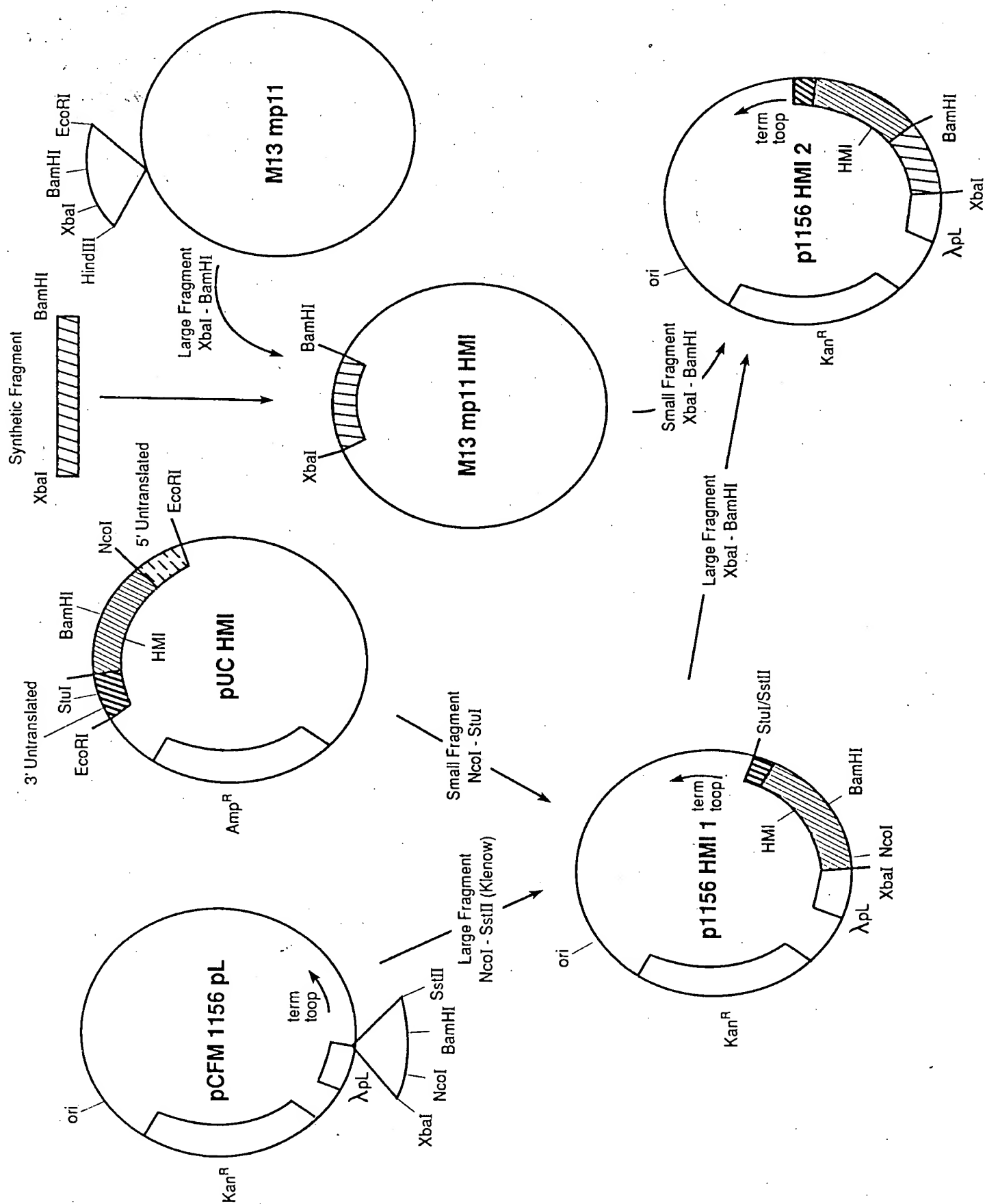


FIGURE 9

| | | | | | |
|-------------|------------|------------|-------------|------------|------------|
| 10 | 20 | 30 | 40 | 50 | 60 |
| CTAGAAAAAA | CCAAGGAGGT | AATAAATAAT | GTGTTCTTGT | TCTCCTGTAC | ACCCTCAACA |
| TTTTTT | GGTTCCTCCA | TTATTTATTA | CACAAGAACA | AGAGGACATG | TGGGAGTTGT |
| 70 | 80 | 90 | 100 | 110 | 120 |
| AGCTTTTTTGT | AACGCTGATG | TAGTTATCCG | TGCAAAAGCT | GTTTCTGAAA | AAGAAGTTGA |
| TCGAAAAACA | TTGCGACTAC | ATCAATAGGC | ACGTTTTTCGA | CAAAGACTTT | TTCTTCAACT |
| 130 | 140 | 150 | 160 | | |
| TTCTGGTAAC | GACATCTACG | GTAACCCGAT | CAAAAG | | |
| AAGACCATTG | CTGTAGATGC | CATTGGGCTA | GTTTTCTAG | | |

FIGURE 10

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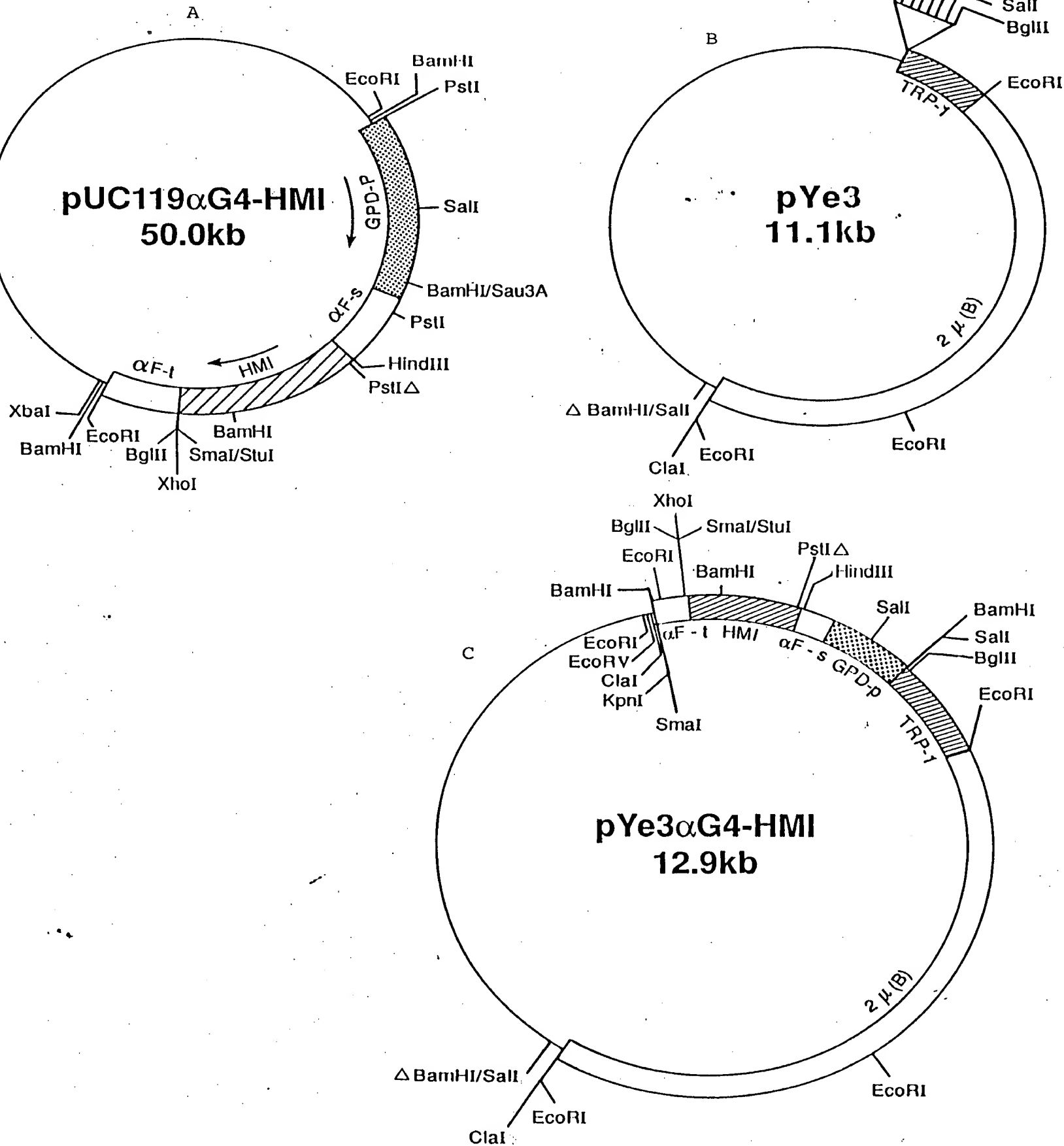


FIGURE 11

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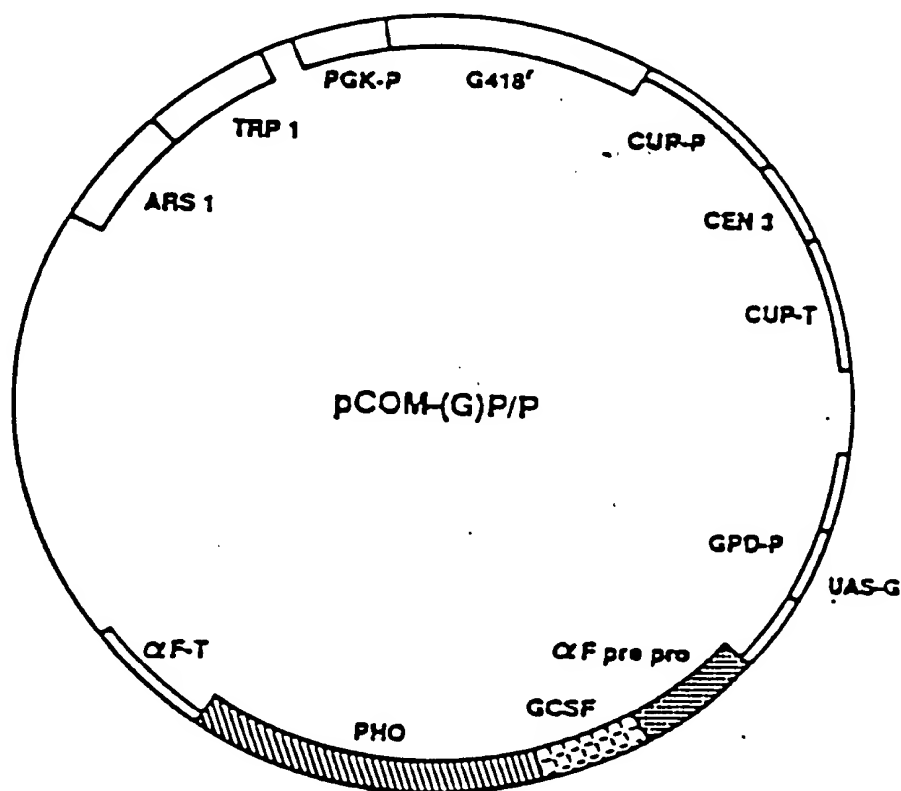


FIGURE 12

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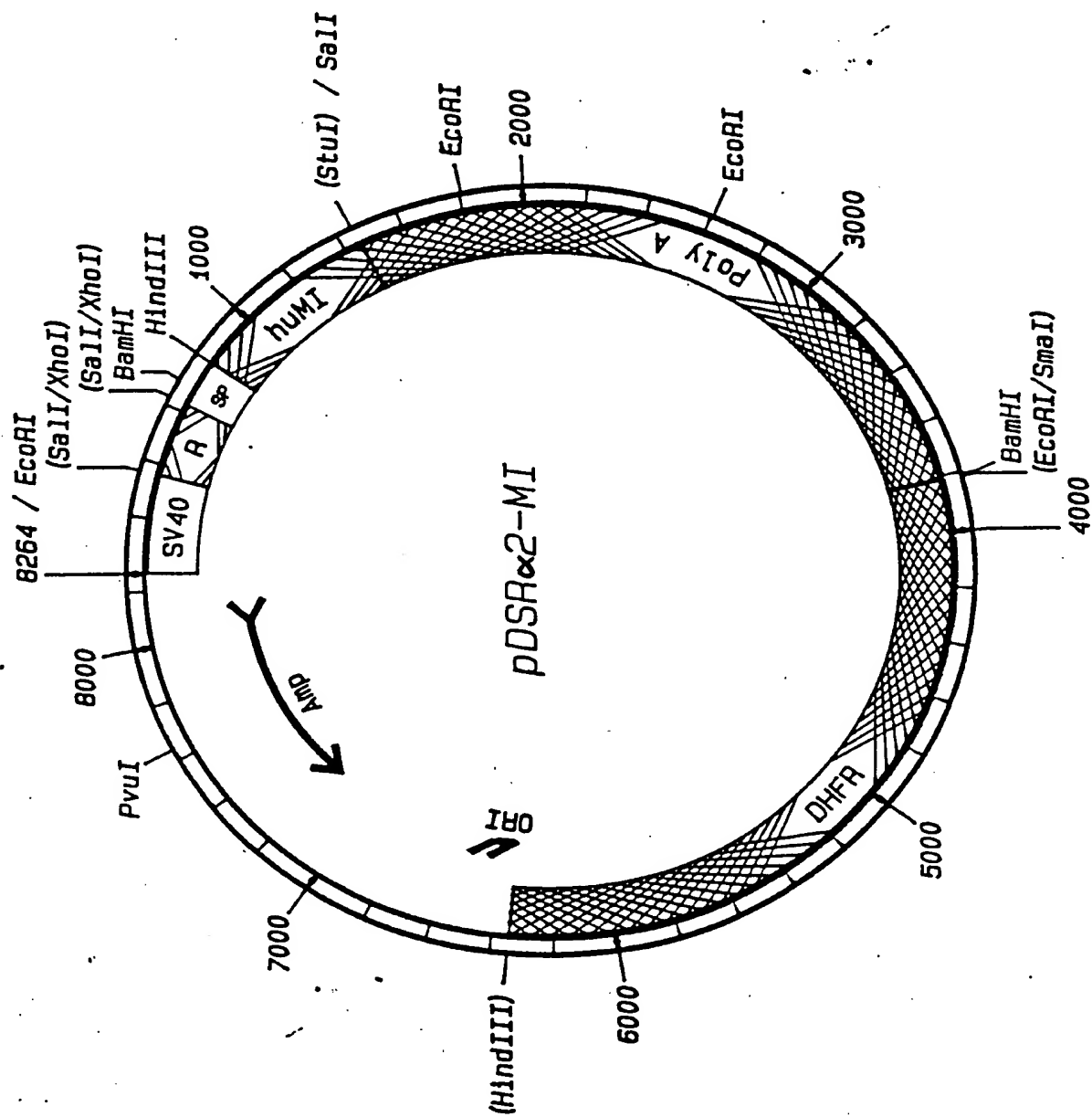


FIGURE 13

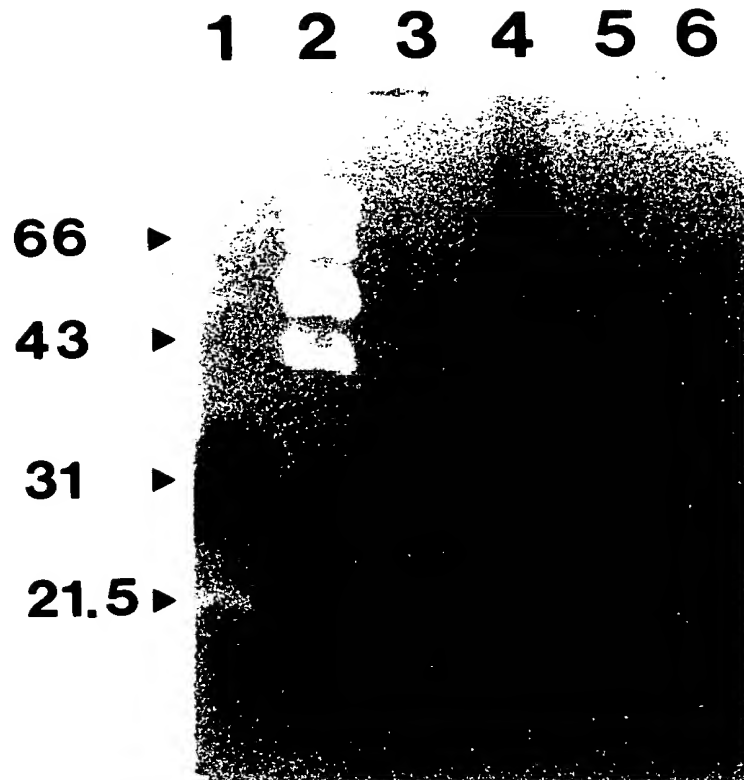
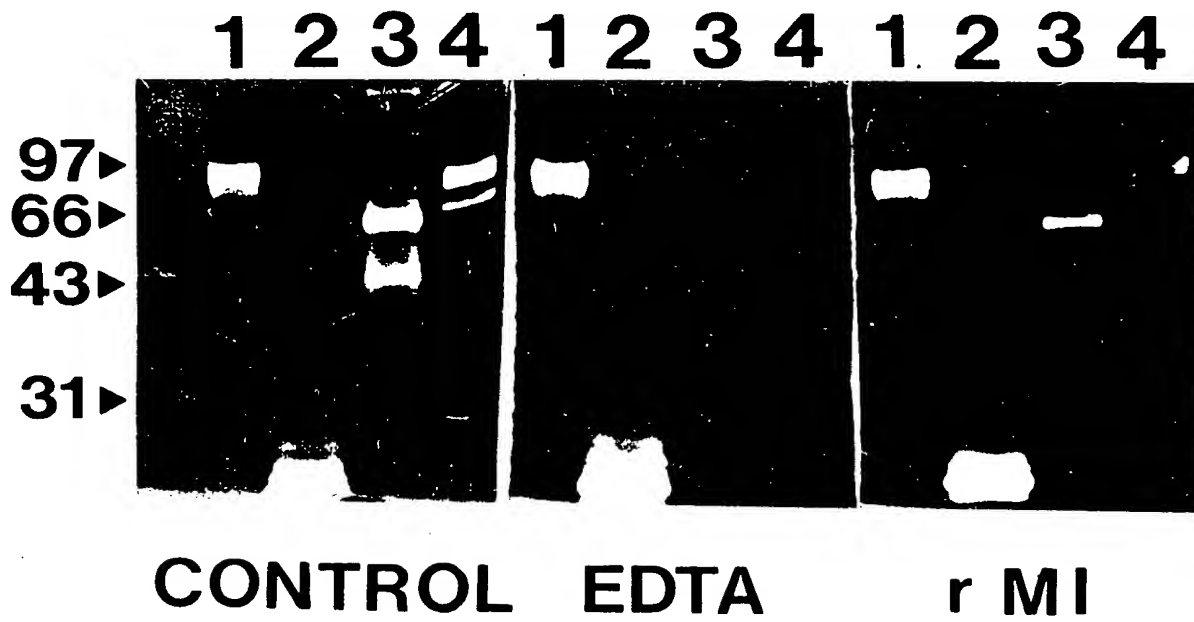
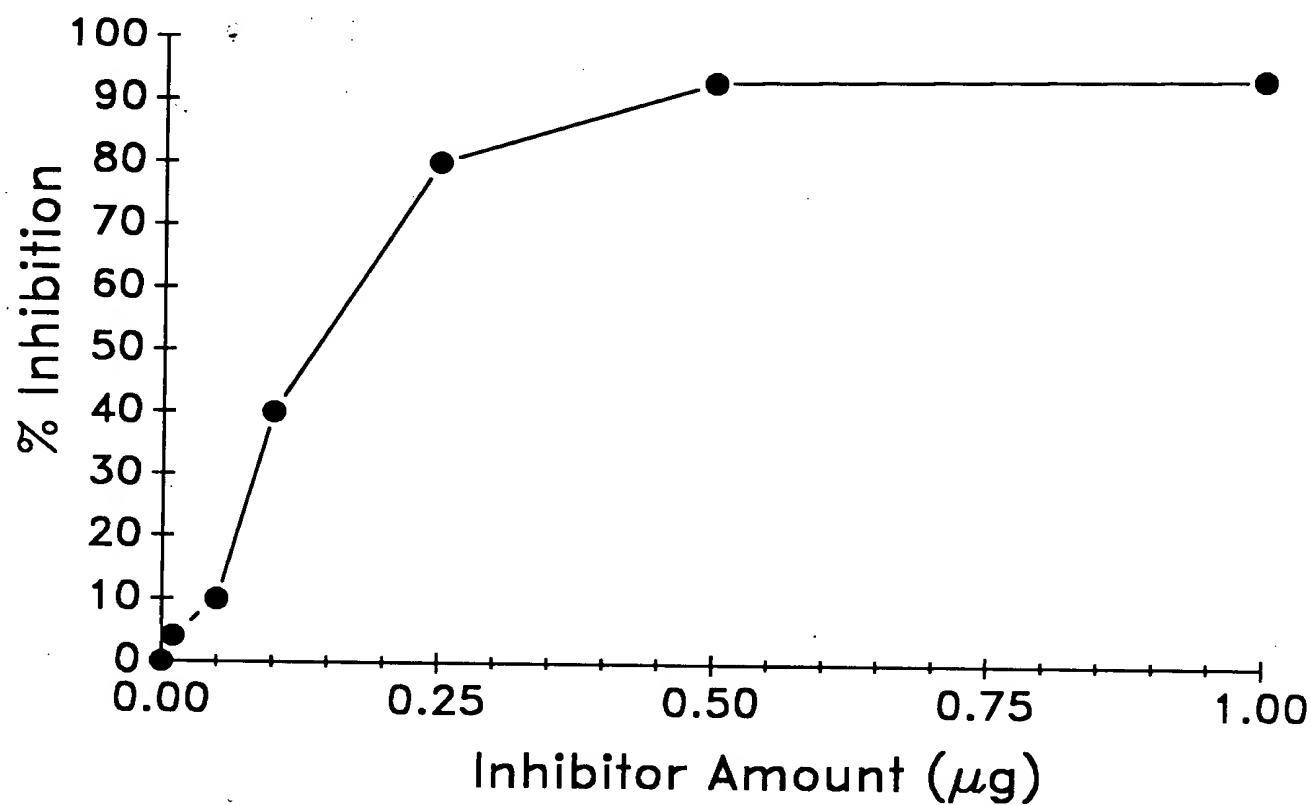


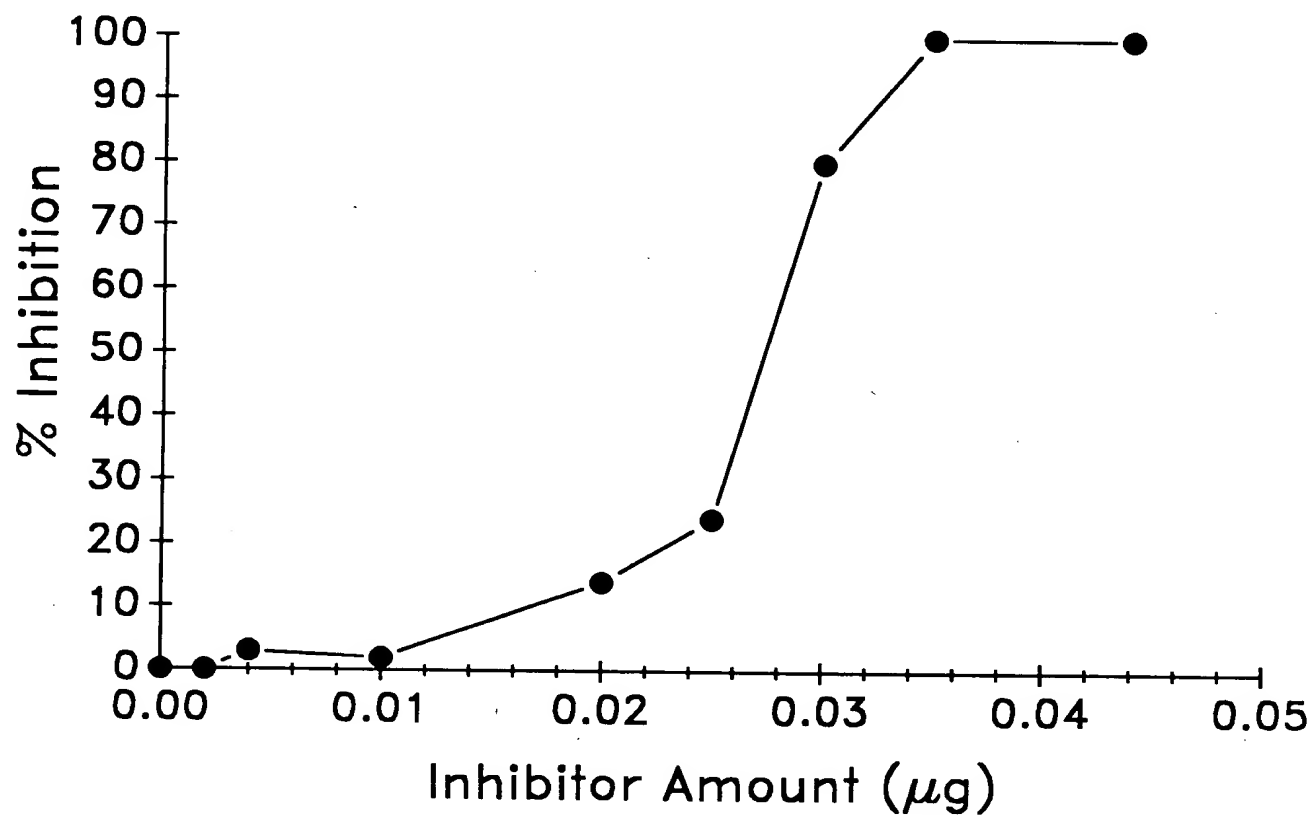
FIGURE 14

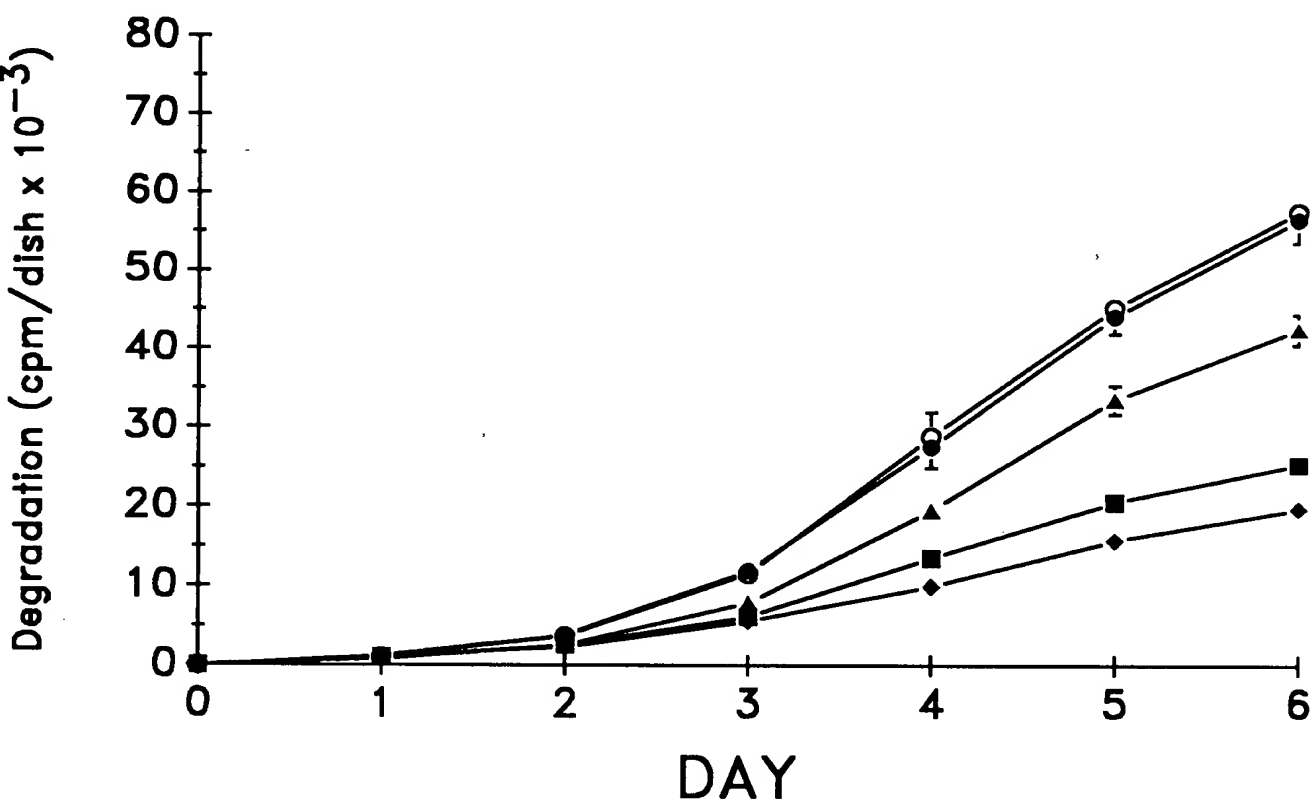


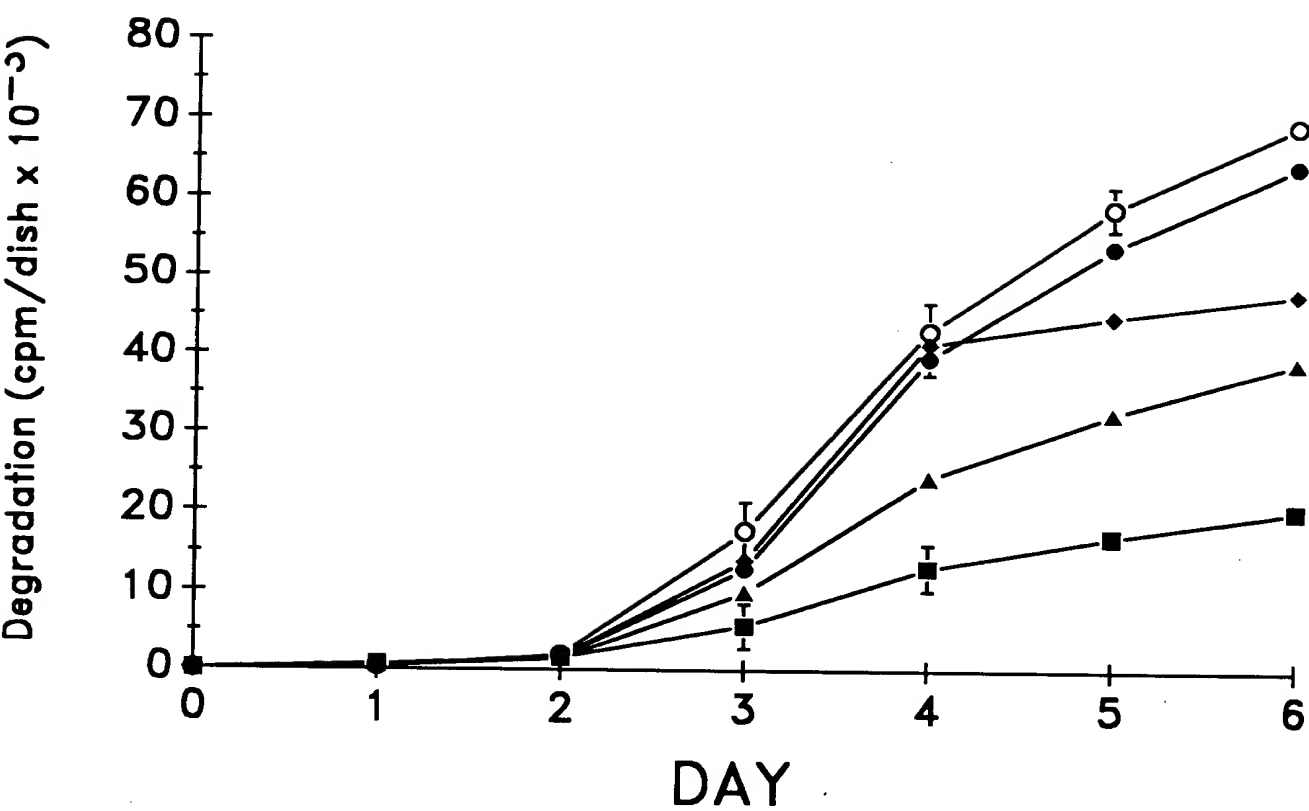
A.



B.







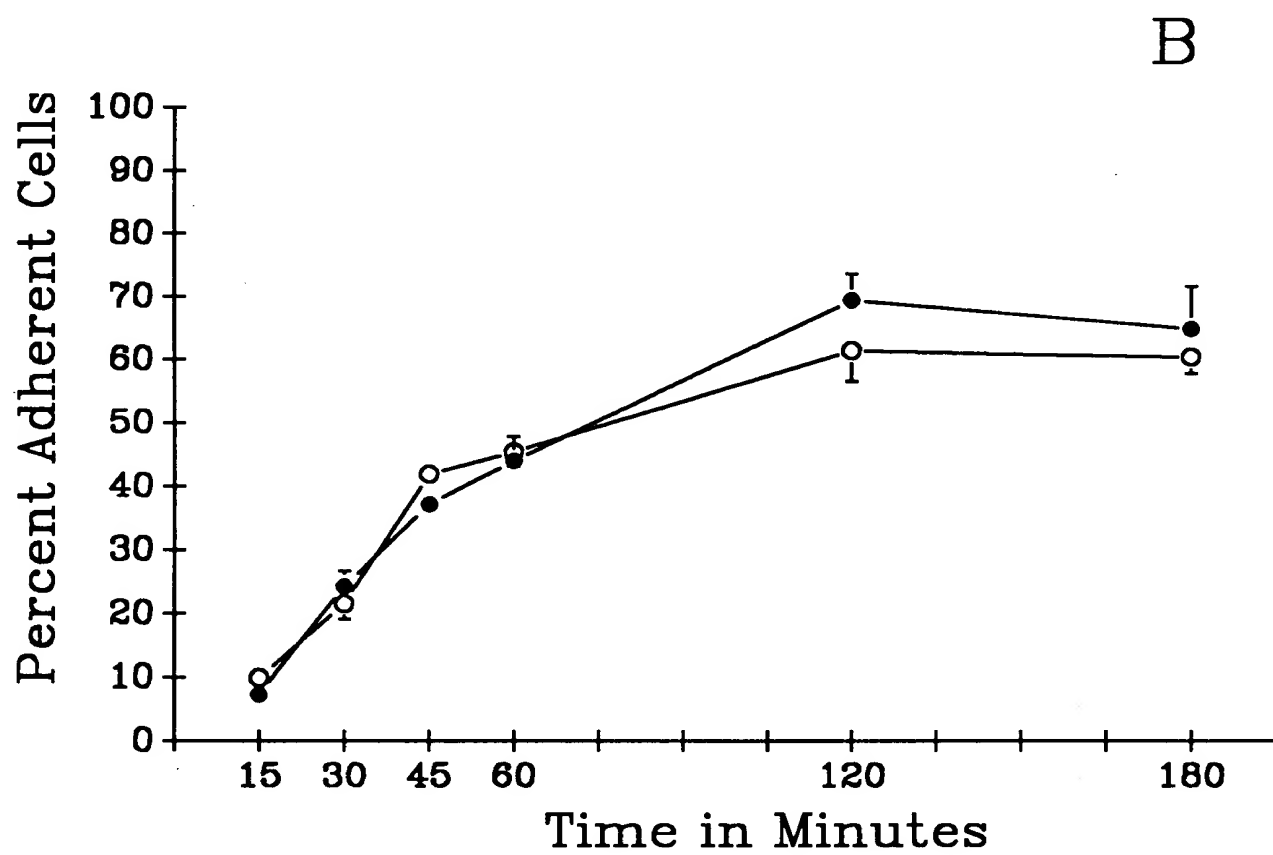
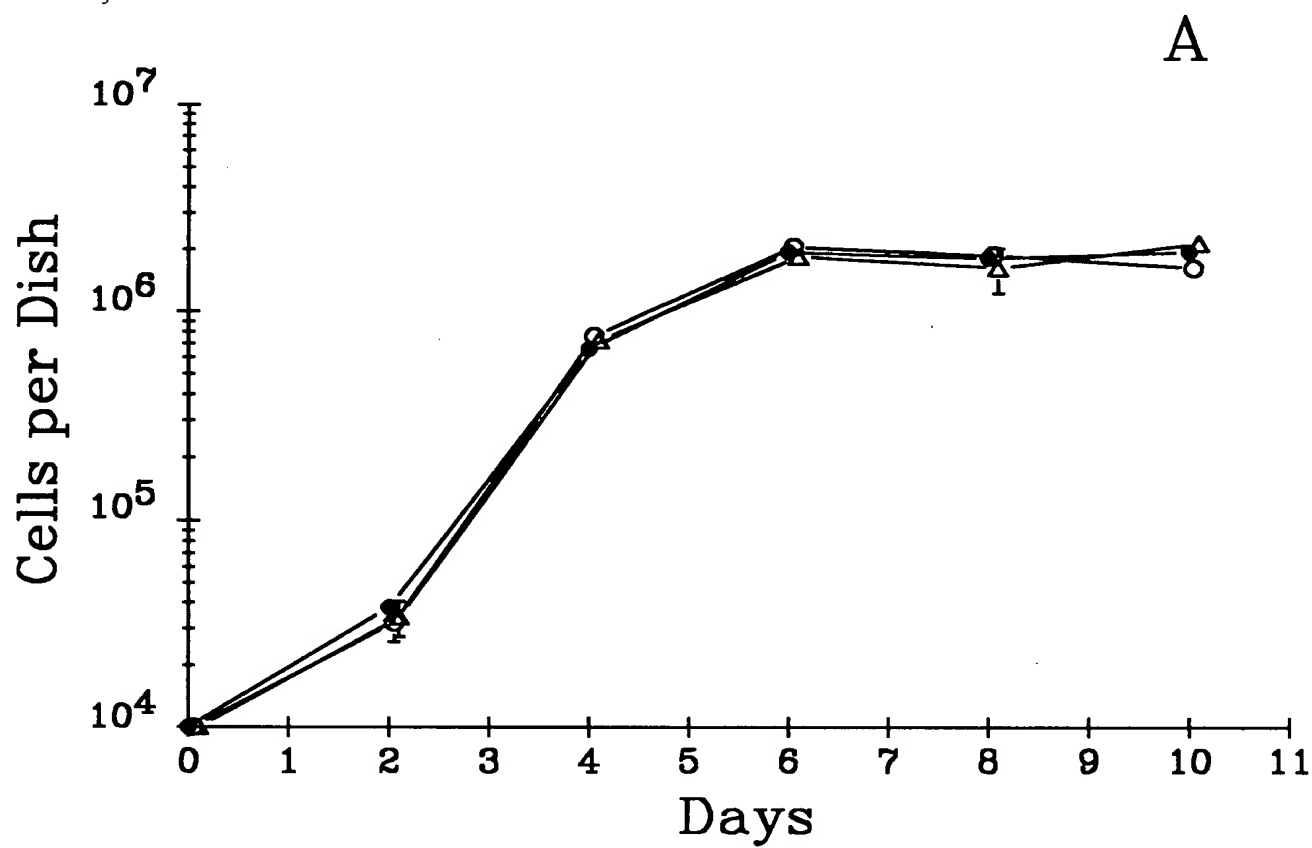


FIGURE 19

A**B****C**